## Kemtuik Phonology: an overview

### 1.1. Consonants

### 1.1.1. Chart

|  | bilabial | dental-alveolar | palatal | velar |
| :--- | :---: | :---: | :---: | :---: |
| voiceless plosive | $\boldsymbol{p}$ | $\boldsymbol{t}$ |  | $\boldsymbol{k}$ |
| voiced plosive | $\boldsymbol{b}$ | $\boldsymbol{d}$ |  | $\boldsymbol{g}$ |
| voiceless <br> fricative |  | $\boldsymbol{s}$ |  |  |
| nasal | $\boldsymbol{m}$ | $\boldsymbol{n}$ |  | $\boldsymbol{y}$ |
| lateral |  | $\boldsymbol{l}$ |  |  |
| approximant | $\boldsymbol{w}$ |  | $\boldsymbol{y}$ |  |

### 1.1.2. Evidence

/p/ Bilabial voiceless unaspirated plosive Occurs syllable initially and finally (The final release of plosives goes through the nose.)

| /puk/ | [puk] | 'to break' |
| :--- | :--- | :--- |
| /pu/ | [pu] | 'to tell' |
| /yap/ | [yap] | 'house' |

/b/ Bilabial voiced plosive
Occurs syllable initially only
/bu/ [bu] 'water'
/nebut/ [nəm.'but] 'story'
/m/ Bilabial nasal
Occurs syllable initially and finally

| $/ \mathrm{miam} /$ | $[\mathrm{mi} . ' \Lambda ̌ \mathrm{~m}]$ | 'many' |
| :--- | :--- | :--- |
| $/ \mathrm{mo} /$ | $[\mathrm{mo}]$ | 'already' |
| $/$ sruom/ | $[$ sru.'om $]$ | 'fork' |

/w/ Bilabial approximant
Occurs syllable initially and finally

| /woy/ | $[$ woy $]$ | 'fire' |
| :--- | :--- | :--- |
| /wew/ | $[$ wew $]$ | 'to make asleep' |
| /kebew/ | $[$ kə.'bew $]$ | 'name of village' |

/t/ Dental- alveolar voiceless plosive
Occurs syllable initially and finally
(The final release of plosives goes through the nose.)

| /ten/ | $[\mathrm{tcn}]$ | 'food' |
| :--- | :--- | :--- |
| /tuet/ | $[\mathrm{tun.'} \mathrm{\varepsilon t]}$ | 'to dig' |
| /tet/ | $[\mathrm{tzt}]$ | 'worm' |

/d/ Dental-alveolar plosive
[d] Voiced alveolar flap
Occurs only following /s/ (In some dialects: variation /l/ [r])
/usede/ [u.sə.'đe] 'to dance'
/sedue/ [sə'đö] 'man'
/sedek/ [se.'đek] 'to sleep'
Compare:

| /usle/ | [u.'sre] | 'to dance' |
| :--- | :--- | :--- |
| /slue/ | [srö] | 'man' |
| /slek/ | $[$ srek] | 'to sleep' |

[d] Dental-alveolar voiced plosive
Slightly imploded, occurs syllable initially

| /don/ | [don] | 'power' |
| :--- | :--- | :--- |
| /deng/ | $[\mathrm{d} \varepsilon \mathrm{y}]$ | 'dry' |
| /dok/ | [dok] | 'to tie' |
| /di/ | [di] | 'tree' |
| /da/ | [da] | 'times' |
| /duk/ | [duk] | 'obey' |

/s/ Dental-alveolar fricative
Occurs syllable initially

| /sa/ | [sa] | 'rain' |
| :--- | :--- | :--- |
| /sua/ | [su.'a] | 'leave' |
| /iseng/ | $[\mathrm{i} . \mathrm{scn}]$ | 'pain' |
| /suk/ | $[\mathrm{suk}]$ | 'skin' |
| /sik/ | $[\mathrm{sik}]$ | 'from' |
| /sak/ | $[\mathrm{s} \Delta \mathrm{k}]$ | 'dry' |

/n/ Dental-alveolar nasal
[ $n$ ] Occurs syllable initially and finally
/nan/ [nan] 'soil'
/namon/ ['na.mon] 'two'
/nu/ [nu] 'stomach'
/nim/ [nim] 'calm down'
[n] syllabic dental-alveolar nasal
Occurs syllable initially, preceding dental plosives

| /ndop/ | [n.'dop] | 'smoke' |
| :--- | :--- | :--- |
| /ntrui/ | [n.'trü] | 'to brush' |
| /ndruim/ | [n.'drüm] | 'wrist' |

/1/ Dental-alveolar lateral
[r] Trilled syllabic vibrant
Occurs preceding retroflexed lateral

| /lelam/ | [r.''lım] | 'to play' |
| :--- | :--- | :--- |
| /lelu/ | [r.'lu] | 'to insist' |
| /lelui/ | [r.'lui] | 'to stir' |
| /lelo/ | [r.'lo] | 'to move' |

[r] Flapped vibrant
Occurs following dental alveolar plosives and fricatives $/ \mathrm{t}, \mathrm{d}, \mathrm{s} /$

| /dlop/ | $[$ drop $]$ | 'to drink' |
| :--- | :--- | :--- |
| /tla/ | $[$ tra | 'to suffer/ to call' |
| /slom/ | $[$ srom $]$ | 'swollen' |

[1] Retroflexed lateral
Occurs following labial and velar plosives
/klaya/ [klæya] 'one'
/blo/ [blo] 'above'
/ple/ [ple] 'bow'
[1] Flapped retroflexed voiced continuant
Occurs syllable initially

| /luagit/ | [lu.'a.git] | 'leech' |
| :--- | :--- | :--- |
| /isuali/ | [i.su.'a.li] | 'cassowary' |
| /lo/ | $[\mathrm{lo}]$ | 'through' |
| /lek/ | $[\mathrm{lek}]$ | 'washed away' |
| /la/ | $[\mathrm{la}]$ | 'relief' |

/y/ Palatal approximant
Occurs syllable initially and finally
/yap/ [yap] 'house'
/woy/ [woy] 'sun'
/k/ Velar voiceless plosive
Occurs syllable initially and finally
The final release of plosives goes through the nose.

| /ku/ | $[\mathrm{ku}]$ | 'time/day' |
| :--- | :--- | :--- |
| /klak/ | $[\mathrm{kl} \wedge \mathrm{k}]$ | 'to raise' |
| /koy/ | $[\mathrm{k} \partial \mathrm{y}]$ | 'fire' |
| /ke.bui/ | $[$ 'ke.bü $]$ | 'something that brings peace' |
| /king/ | $[\mathrm{ki} \mathrm{y}]$ | 'to follow' |
| /kebong/ | $[\mathrm{k} . \mathrm{b} . \mathrm{by}]$ | 'to die' |

/g/ Velar voiced plosive
Occurs syllable initially
/guon/ [gŭ.'on] 'name of tree'
/gemang/ [ga'm $\wedge \eta]$ 'to exist there'
/gum/ [gum] 'fog'
/gamung/ ['ga.muŋ] 'to call together'
/git/ [git] 'to sharpen'
/y/ Velar nasal
Occurs syllable initially and finally
/ŋoy/ [ŋэу] 'brideprice beads'
/ge. nam / ['ne. $\mathrm{y} \Lambda \mathrm{m}$ ] 'to live in peace'
/guok/ [ŋnŭ. 'ok] 'to teach'
/nap/ [плр] 'to shine'
/nit/ [nit] ‘dizzy’
/ken/ [ken] 'to follow'
/kiy/ [kiy] 'to fill'
1.2. Vowels
1.2.1. Chart

|  | Front | Central | Back |
| :--- | :---: | :---: | :---: |
| High | i |  | u |
| Mid | e |  | o |
| Low |  | a |  |

### 1.2.2. Evidence

/i/ Front high vowel
[ü] High front rounded vowel
Occurs syllable nucleus following a rounded vowel.

| /udui/ | [u.'dü] | 'banana' |
| :--- | :--- | :--- |
| /ului/ | [u.'lü] | 'to prepare pepeda' |
| /unuik/ | [u.'nük] | 'to fold' |
| /unuim/ | [u.'nüm] | 'spirit/zest' |

Compare [ŭi] syllable initial:
/wisi/ [ŭi.'si] 'to stand'
/dewi/ ['d. ūi] 'prayer'

Compare also [ŭi] with [u] :

| /usi/ | [ŭ'si] | 'to call, ask' |
| :--- | :--- | :--- |
| /wisi/ | [ŭi.'si] | 'to stand' |
| /imuik/ | [i.'mük] | 'raspberry' |
| /ibui/ | [i.'bü] | 'to stiffen/ blind' |
| /alui/ | ['a.lü] | 'wave' |
| /suin/ | [süy] | 'to sit' |

Compare:

| /sin/ | [sin] | 'seedling/to take out' |
| :--- | :--- | :--- |
| /suy/ | [suy] $]$ | 'ashes, trash' |
| /puit/ | [püt] | 'to burn' |
| /buit/ | [büt] | 'pain' |
| /nuik/ | [nük] | 'tree trunk' |
| /kui/ | $[\mathrm{kü}]$ | 'animal droppings' |

[1] High front lower rounded vowel
Occurs in unstressed closed syllables.
/banim/ ['ba.nı m] 'old'
/demeniy/ [da'me.nı y] 'new'

## [i] High front upper unrounded vowel

Occurs in all other contexts

| /besik/ | [bo.'sik] | 'drooping' |
| :--- | :--- | :--- |
| /ip/ | [ip] | 'to stand' |
| /iti/ | $[\mathrm{i} . \mathrm{ti}]$ | 'to take, to get' |

/e/ Front mid vowel
Occurs only rarely, word finally following /l/ .
/ple/ [ple] 'bow'
/damle/ ['d $\Lambda \mathrm{m} . \mathrm{le}] \quad$ 'name of tree'
/daley/ ['da.ley] 'rank of soldiers'
likle/ [i.'kle] 'gossip'
/ide/ [i.'de] 'heavy'
[ $\varepsilon]$ Lower mid front vowel (see the main discussion on stress pattern)
Occurs occasionally in word final unstressed syllables, with $[a]$ or $[\varepsilon]$ in the preceding stressed syllable.

| /gabe/ | ['ga.bs] | 'exist here' <br> /yense/ |
| :--- | :--- | :--- |
| ['yen.se] | 'kind of vegetable' |  |
| /nase/ | ['na.se] | 'must' |

Occurs occasionally also, word initially in stressed position.

| /yense/ | ['yın.sє] | 'kind of vegetable' |
| :---: | :---: | :---: |
| /keli/ | ['ke.li] | 'kind of fruit/rose apple' |
| /kelui/ | ['ke.lui] | ‘juicy' |
| ui/ | ['me.kü] | 'to fold |
| /belui/ | ['be.lü] | 'panic' |

[ö] Mid front rounded vowel
Occurs following a rounded high back vowel
/blue/ [blö] 'magic'
/nue/ [nö] 'leave it'
/pluep/ [plöp] 'gather'
/pue/ [рӧ] 'untie'
/ulue/ [u.'lö] 'to empty'
/tuep/ [tŭ.'ep] 'stump of tree'
/tuen/ [tŭ.'En] 'to slant'
/tuet/ [tŭ.' tt$]$ 'to dig'
Compare $[\mathrm{e}][\mathrm{u}]$ and $[\mathrm{u}]$ in same positions:
/ble/ [ble] 'name of woman'
/plet/ [plet] 'to dislocate'
/pu/ [pu] 'to talk'
/pui/ [pü] 'to fall'
/tup/ [tup] 'to hear'

```
/a/ Central low vowel
[ }\\mathrm{ ] Upper low short central vowel
Occurs in closed syllables
/mlap/ [ml }\textrm{p}]\quad\mathrm{ 'name of language'
/sat/ [s^t] 'tail'
/sak/ [s^k] 'dry'
/nan/ [n^n 'earth'
/kay/ [k^y] 'to forget'
/kuat/ [kŭ.'^t] 'frog'
Compare:
\begin{tabular}{lll} 
/yatap/ & ['ya.t \(\Lambda\) p] & 'door' \\
/bauk/ & ['ba.uk] & 'porch'
\end{tabular}
[æ] Front low long vowel
Occurs following [l] and preceding [y] or following [ŭ] [i] and [e].
/naklay/ [na.kl'æy] ‘all’
/klaya/ ['klæ.ya] 'one'
/blay/ [blæy] 'diarroea'
/mlay/ [mlæy] 'oil'
/piam/ [pi.'æm] 'wrong'
/teguan/ [tt'gŭæn] 'stomach'
Compare:
\begin{tabular}{lll} 
/dlang/ & {\([\mathrm{dr} \wedge \mathrm{y}]\)} & 'wealth/bride price' \\
/bla/ & {\([\mathrm{bla}]\)} & 'hut/cottage' \\
/semlea/ & {\([\mathrm{ss}\) 'mlca] } & 'pepeda' \\
/mea/ & {\([\mathrm{mca}]\)} & 'will'
\end{tabular}
[a] Lower long vowel
Occurs in stressed syllables
/mla/ [mla] 'rest'
/banom/ ['ba.nom] 'self'
/kadin/ ['ka.dı y] 'behind'
/u/ Back high vowel
\begin{tabular}{|c|c|c|}
\hline /tuep/ & [tŭ.'\&p] & 'stump of tree \\
\hline /tuen/ & [tŭ.' \('\) n] & 'slant' \\
\hline /tuet/ & [tŭ.' 't] & 'dig' \\
\hline /utep/ & [ŭ.'tep] & 'tomorrow' \\
\hline /usi/ & [ŭ.'si] & 'ask' \\
\hline
\end{tabular}
Compare: [ŭ'e] and [ö]
/suey/ [sŭ'ey] 'good'
```

/ulue] [u.'lö] 'empty'
[u] Back high rounded vowel
Occurs elsewhere

| /babu/ | ['ba.bu] | 'grandfather/mother/ swollen' |
| :--- | :--- | :--- |
| /napu/ | ['na.pu] | 'day after tomorrow' |
| /banu/ | ['b..nu] | 'moon/month' |
| /yangu/ | $[$ 'ya..yu] | 'yellow' |
| /wosu/ | ['wo.su] | 'tree kangaroo' |
| /su/ | $[\mathrm{su}]$ | 'worm' |
| /mu/ | $[\mathrm{mu}]$ | 'hole' |
| /ku/ | $[\mathrm{ku}]$ | 'day/time/earth' |
| /ulue/ | [u.'lö] | 'empty' |
| /u/ | [u] | 'to sing' |
| /kabuy/ | ['ka.buy] | 'woman' |

/o/ Back mid vowel
[o] Upper mid rounded vowel
Occurs very rarely and only in an open syllable, following [r] and [ r .1 ]
/kaysruo/ ['kıy.srŭo] 'eel'
/sruo/ [srŭo] 'earthenware crock'
/rlo/ [r.lo] 'to move'
[七] Lower mid rounded vowel
Occurs in all other positions.

| /so/ | $[\mathrm{so}]$ | 'intention/inessive' |
| :--- | :--- | :--- |
| /sok/ | $[\mathrm{sok}]$ | 'take off' |
| /klong | $[\mathrm{kloy}]$ | 'to go' |
| /koy | $[\mathrm{koy}]$ | 'fire' |
| /wosu/ | $[$ 'wo.su $]$ | 'tree kangaroo' |
| /blo/ | $[\mathrm{blo}]$ | 'above' |
| /sluakuon/ | $[$ sru.'a.kŭon $]$ | 'name of tribe' |

### 1.3. Word structure and stress

The phonological word (PW) provides a useful construction for specifying underlying stress and syllable patterns. PW-s are of two general contrastive classes: ultimate stress and penultimate stress and are basically constructed of 1 to 3 syllables. As follows:

Ultimate stress PW > CVC. 'CCVC
Penultimate stress PW> 'CCVC. CVC
Stress is predictable and is not written. The 'shewa' [ə] is interpreted as /e/. Consider the following examples:

| LOW VOCOID <br> [a] [ $\Lambda$ ] [ $\varepsilon$ ] [ò] <br> Stressed penultimate syllable <br> (CV). 'CV(C). CV(C) <br> No centralization | HIGH VOCOID <br> [i] [e] [u] [ó] Stressed ultimate syllable $\mathrm{CV}(\mathrm{C}) . \mathrm{CV}(\mathrm{C})$ <br> Centralization [ə] | English gloss | HIGH VOCOID <br> Stressed ultimate syllable <br> V.'CV(C) <br> No centralization | English gloss |
| :---: | :---: | :---: | :---: | :---: |
| /damoy/ ['dá.moy] <br> /banim/ ['bá.nim] <br> /gabe/ ['gá.be] <br> /katui/ ['ká.tü] <br> /kama/ ['ká.ma] <br> /kemtuik/ ['kem.tük] <br> /kebali/ [ka.'ba.li] <br> /demening/ [de.'me.nin] <br> /betodop/ [be.'to.dop] <br> /betedon/ [be.'tz.don] <br> /demanon/ ['de.'ma.nən] | /meduim/ [mə.'dūm] <br> /nebo/ [nəm.'bo] <br> /nebut/ [nəm.'but] <br> /gemang/ [gə.'mıy] <br> /nebit/ [nəm.'bit] | full <br> old exist here axe ear name of tribe work new again younger sibling older sibling hill pig story exist there wind | /use/ [u.'se] <br> /udui/ [u.'dü] <br> /utep/ [u.'tep] <br> /iseng/ [i.'sey] | afternoon <br> banana <br> tomorrow <br> pain |


|  | /kebet/ | [ko.'bet] | finish |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |

### 1.4. Syllable

The syllable (S) functions in the PW in accordance with the existing stress patterns as described above. A vowel (V) functions as obligatory nucleus of the syllable, preceded by one or more non-obligatory consonants (C). Syllables in Kemtuik have the basic shape:

## CVC. 'CVC. CVC

The underlined basic CV combination is obligatory. The following words are illustrative:

| 1 syllable | [bu] | 'water' |
| :---: | :---: | :---: |
|  | [t¢n] | 'food' |
|  | [u] | 'song' |
|  | [i] | 'count' |
| 2 syllables | [mo.'no] | 'other' |
|  | ['wa.lop] | 'feast' |
|  | ['da.bü] | 'heart' |
|  | [i.'ti] | 'give, take' |
| 3 syllables | [t^n.'da.li] | 'again' |
|  | [kə.'ba.li] | 'to work' |
|  | [wәŋ.'ka.bü] | 'head' |
|  | [ws.'la.ka] | 'lobster' |
|  | [ku.'na.la] | 'thinking' |

### 1.5. Consonant and vowel distribution

### 1.5.1. Consonant distribution

The following numbering of the basic CV- string will help us to specify the set of consonant members in a numbered class, as follows:

C V C $\cdot \begin{array}{lllll}\mathbf{\prime} \mathbf{C} & \mathrm{C} & \mathbf{V} & \mathrm{C} . & \mathrm{C} \\ 1 & 2 & 3 & 4 & \\ 5 & 6 & 7\end{array}$

C1 > Includes all consonants
$\mathrm{C} 2>$ Includes all nasal consonants
C3 > Includes all consonants
C4 > Includes only /l/
C5 > Includes voiceless plosives, nasals, and semivowels

C6 > Includes all consonants
C7 > Includes voiceless plosives, nasals, and semivowels
The co-occurrence may be stated in the following set of conditions:
Condition 1: Only one consonant cluster can be formed: $\mathrm{C}+/ \mathrm{l} /$
Condition 2: In the case of C1 being a nasal, and C3 is a voiced plosive, there will be assimilation (printed bold in examples) to the point of articulation of the following C3.
Consider these examples:

| /nebut/ | [nəm.'but] | 'story' |
| :--- | :--- | :--- |
| /nebo/ | [nəm.'bə] | 'pig' |
| /meduim/ | $[$ mən.'düm $]$ | 'mountain' |

Condition 3: Syllabic consonants are interpreted as CV sequences. They consist of continuant consonants ( $\mathrm{r}, \mathrm{s}, \mathrm{m}, \mathrm{n}, \mathrm{y}$ ) and occur in a pre-stressed syllable position.
Consider these examples:

| /ndop/ | [n.'dop] | 'grasshopper' |
| :---: | :---: | :---: |
| /nson/ | [n.'son] | 'to cough' |
| /ngga/ | [ $\mathrm{y} . \mathrm{\prime}$ 'ga] | 'there' |
| /rlam/ | [r.''lam] | 'play' |
| /ntaton/ | [n.'taton] | 'brother' |
| /mtam/ | [m.'tam] | 'sago trail' |
| /semlea/ | [s.'mlea] | 'sago porridge |

Condition 4: If C 2 is a syllabic nasal, the point of articulation of C 2 will be predicted by the following C3.

### 1.5.2. Vowel distribution

Two PW-types were described in 1.3 based on stress and contrast. Observing those PW-types, vowel occurrences are stated below in terms of monosyllabic, disyllabic and occasionally trisyllabic PW's.

- Monosyllabic PW Vowels: C C 'V C includes all vowels or diphtongs
- Disyllabic PW Vowels: C $\underset{1}{\operatorname{V}} \mathrm{C} . \mathrm{C}^{\mathrm{C}} \mathrm{'}_{2}^{\mathrm{V}} \mathrm{C}$

V1 > obligatory unstressed centralized vowel /e/ [ə]
V2 > obligatory stressed vowel; includes all vowels or diphtongs.

- Trisyllabic PW Vowels: V. C C 'V C. C V C


### 1.5.3. Vowel centralization

There is an interesting contrast between HIGH centralized [ $ə$ ] vocoid and the LOW vocoids [a] [ $\varepsilon$ ]. They form two contrasting PW-classes.

For example: /damoy/ ['da.moy] 'full' versus /demu/ [də.'mu] 'stone'
In two and three syllable PW's, a vocoid in stressed position is preceded by a neutralized vocoid: $\mathrm{CV}(\mathrm{C})$. ' $\mathrm{CV}(\mathrm{C})$. It is neutralized towards the vocoid [ə], with a slight 'coloring' of the vocoid in the following stressed syllable.

Consider the following examples:
/ne.'but/ [nəm.'but] 'story'
/ge.'mang/ [gə.'m^ng] 'being there'
If that syllable string (occasionally) occurs as: V. 'CV, the vocoid in unstressed position is not centralized.

Consider the following example:
/i.'seng/ [i.'seng] 'pain'
LOW vocoids (mainly [a], sometimes [ $\varepsilon$ ] or [ò]) in stressed position require NOT centralized vocoids in the following not stressed syllables.

Consider the following examples:
/'da.moy/ ['da.moy] 'full'

### 1.5.4. Reduplication

All word initial consonants and vowels can be reduplicated to indicate continuing action.

| suan | - susuang | [su.'sŭ $\wedge$ y] | 'long - longing' |
| :---: | :---: | :---: | :---: |
| klong | - koklong | [ko.'klon] | 'go - going' |
| iti | - iiti | [i.i.'ti] | 'give - giving' |
| suing | - susuing | [sü.'süy] | 'sit - sitting' |

### 1.6. Diphthongs

$$
\begin{array}{ll}
\text { /ui/ } & \text { [ŭi] [ü] } \\
\text { /ue/ } & {[\mathrm{u} \mathrm{e}][\mathrm{ö}]} \\
\text { /uo/ } & {[\mathrm{u} \mathrm{~b}]} \\
\text { /ua/ } & {[\mathrm{u} \Lambda]} \\
\text { /ea/ } & {[\varepsilon æ]} \\
\text { /ia/ } & {[\mathrm{i} \Lambda]}
\end{array}
$$

|  | Example (verb) | English gloss |
| :---: | :---: | :---: |
| [ü] | duing | think |
| [ŭi] | wim | swell |
| [ü] | truik | chase |
| [ŭe] | suey | good |
| [syö] | sue | swim |
| [ŭo] | nguok | teach |
|  | bluot | mix |
| [ŭ- $\Lambda$ ] | suang | long |
|  | suali | afraid |
| [i- $\Lambda$ ] | miam | plenty |
| [ $\varepsilon-æ]$ | mean | chip |
|  | meam | disappear |

### 1.7. Alphabet

The Kemtuik alphabet contains 19 symbols, 14 consonants and 5 vowels:

- Consonants: $\mathrm{t}, \mathrm{k}, \mathrm{p}, \mathrm{d}, \mathrm{g}, \mathrm{b}, \mathrm{s}, \mathrm{n}, \mathrm{ng}, \mathrm{m}, \mathrm{l}, \mathrm{r}$.
- Semi-consonants: y, w

The following pairs contrast an initial approximant with initial full vowels:

| yay | 'care', | iyay | 'caring' |
| :--- | :--- | :--- | :--- |
| wet | 'seek' | uwet | 'seeking' |

- Vowels: i, e, a, u, o
- In borrowed words: /c/ --- [tf]; /j/ --- [क] ; /h/ --- [h]

Examples from the national language: $\underline{c} o k l a t$, baca, $\underline{J a y a p u r a, ~} \underline{\text { huruf }}$.
Dialectal influence from the Gresi (Klesi) language causes the use of [h] in a few cases. E.g. Kemtuik sogo sogo so 'why' is also being expressed with a different stress pattern as: [sogo.'ho goso]. There are a few other isolated examples where [h] is used in stead of $/ \mathrm{s} /$.

